

Marked-Up Version of Amended Claim

Claim 1 (twice amended):

1. A method for sequencing a polynucleotide, comprising the steps of:
  - (i) reacting a target polynucleotide with a polymerase enzyme immobilised on a solid support, and complementary nucleotides, under conditions sufficient for the polymerase reaction; and
  - (ii) detecting an effect consequent on the incorporation of a specific nucleotide complementary to the target polynucleotide into a nascent polynucleotide being synthesized as a result of the polymerase reaction, to thereby determine the sequence of the target polynucleotide, the detection being carried out by measuring a change in, or absorption of, radiation that occurs if the nucleotide is incorporated.